



Your  
**Kodamatic™**  
INSTANT CAMERA—  
Care and Service



This booklet gives tips on caring for your camera, film, and prints. It also tells you how to obtain service for your camera if you should ever need it. Be sure to read the "Troubleshooting Guide" on page 6; it will help you to identify and solve minor problems.

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## CARE OF YOUR CAMERA

With proper care and handling, your camera can provide you with years of picture-taking fun. When you're not taking pictures, protect your camera by putting it in its box or a case.

When necessary, clean the viewfinder lenses (all models) and the picture-taking lens (model 980L) by blowing away any dust or dirt. Then breathe on the lenses to form a mist, and gently wipe the mist away with a soft, clean, lintless cloth (or use a drop of KODAK Lens Cleaner, or equivalent, and then wipe with a clean, soft cloth). The picture-taking lenses on models 960 and 970L are not accessible for cleaning. Don't use solvents or solutions not designed for cleaning camera lenses, and never use chemically treated tissues intended for eyeglasses.

Store your camera away from heat and direct sunlight—not in the glove compartment, on the rear-window shelf, or in any other hot spot in a car—since this may cause permanent damage to the film or the camera.

## WARNING

Do not disassemble or attempt to repair your camera. The voltages associated with the electronic flash may under certain conditions present a shock hazard. For service, return the camera to Kodak. See the warranty for your camera on page 20 or 21.

## Cleaning the Rollers

Occasional fluid leakage from the prints may cause small deposits on the camera rollers, which can pro-

duce spots on your pictures. If this should happen, clean the rollers as follows:

1. Unfold the camera to its operating position.
2. Open the film-compartment door. The rollers are at the top of the film compartment.
3. Use a cotton swab or a small piece of soft, lintless cloth moistened with clean water. Don't use solvents or detergents.
4. Wipe the contaminated area of the rollers with the swab or cloth (never with your fingers). Then close the film-compartment door, and press the shutter release to reposition the rollers. The rollers stop at a different place each time the camera motor runs. Repeat this procedure until the entire surfaces are clean. Then dispose of the swab or cloth in a waste container.

**CAUTION:** The residue cleaned from the rollers may be caustic. Observe the precautions on page 3.

## CARE AND STORAGE OF FILM AND PRINTS

Leaving your film and camera in a hot place such as a sunny window or a closed car on a warm day may produce poor picture quality. If you accidentally leave the film and camera in a hot place, allow them to cool to normal temperature before taking any pictures. If there is a film pack inside the camera, wait approximately one hour after the surface of the camera is cool to allow adequate cooling of the film.

Also allow your film and camera to return to normal

temperature if they have been left in a cool place such as a car trunk during winter.

The recommended temperature range during development of prints is 60 to 100°F (16 to 38°C). At temperatures below 60°F (16°C), place prints in a warm place—an inside coat pocket, for example—as soon as they are ejected from the camera, and leave them there during development. Otherwise, prints may appear too light. Be sure not to bend or fold the prints.

It's a good idea at the upper end of the temperature range—approaching 100°F (38°C)—to set the lighten/darken control toward L to keep prints from becoming too dark.

Don't leave prints in direct sunlight or on a hot surface during development. Prints will probably be too dark when developed at temperatures above 100°F (38°C).

Store your developed prints in a cool, dry place.

The picture area may be safely cut out of a picture unit, provided sufficient time (10 minutes) is allowed for the caustic fluid in the picture area to neutralize. If the picture unit is opened, the picture and the waste should be handled with care to avoid possible stains on fabrics, furniture, or carpeting.

**CAUTION:** Picture units in the film pack contain a caustic fluid. Upon ejection from the camera, the fluid in the picture unit begins to neutralize, and in approximately 10 minutes any chance of harm is minimal. Should any fluid escape from the picture unit, avoid contact with eyes, mouth, and skin. Also avoid fluid contact with fabrics, carpeting, and furniture to prevent stain.

In case of contact with eyes, immediately flush with plenty of water and get medical attention. In

case of any other contact, wash thoroughly at once.

The empty film pack has sharp internal edges. Discard out of the reach of children.

### **Minimizing Eye Reflections**

When you take flash pictures, people's eyes sometimes appear red. The red is produced by reflections from the retina of the eye. This effect is especially noticeable when your subject is young, has a light complexion, or has blue eyes—also when your subject is in a dimly lighted place.

To help reduce these reflections, you can (1) turn on additional room lights, and (2) have your subject look directly at one of the room lights. This will cause the pupils of the eyes to contract, reducing the reflections.

### **SERVICE FOR YOUR CAMERA**

If you have questions about your camera or KODAMATIC Instant Color Film, HS144-10, or have difficulty using your camera, carefully reread the section of your manual that pertains to the questions you have. **ESPECIALLY** be sure to consult the "Troubleshooting Guide" that begins on page 6. *Since many cameras which are returned for repair do not need service, please carefully review this information.*

#### **If you believe your camera does need service—**

Take your camera and several sample prints to your photo dealer.

OR

Take your camera and several prints to a Kodak Consumer Center if one is located near you. The addresses are listed on page 17.

OR

Send a letter describing the problem to Eastman Kodak Company, Department 841A, 343 State Street, Rochester, New York 14650. Please enclose sample prints with your letter to aid us in helping you, and be sure to specify the model of your camera.

If your camera requires repair, you may send it through your photo dealer or directly to one of our Service Centers, listed on the back cover. Follow these steps in packing your camera.

### **Packing Instructions**

1. Include a note with your camera giving all details: date and place of purchase and a description of the problem, as well as several sample prints. If possible, include a telephone number where you can be reached between 8:00 a.m. and 5:00 p.m.
2. Use a sturdy carton that is large enough for you to surround the camera completely with packaging material, such as crumpled newspaper.
3. Securely fasten the carton with tape. Clearly write the address of the Service Center and your name and address on the top and bottom of the carton.
4. Mail the carton to Kodak. Remember to insure the camera to replacement value.

## Troubleshooting Guide

What Happened	Probable Cause	Correction
Pictures fuzzy or unsharp.	<ul style="list-style-type: none"> <li>a. Camera movement.</li> <li>b. Subject movement.</li> <li>c. Subject too close to camera.</li> <li>d. Close-up lens control not in proper position (model 970L).</li> </ul>	<ul style="list-style-type: none"> <li>a. Hold camera steady; press shutter release smoothly.</li> <li>b. Subject should be stationary, moving slowly in sunlight, or moving toward or away from you (not at right angle to camera).</li> <li>c. Subject must be no closer than minimum focusing distance (page 4 in manual).</li> <li>d. Adjust close-up lens control (page 4 in manual).</li> </ul>

Pictures hazy.

- a. Dirty camera lens (model 980L).
- b. Flare from very bright light shining into lens.
- a. Clean lens (page 1).
- b. Don't point camera at sun or other extremely bright light.



Daylight pictures too light.

- a. Lighten/darken control not in proper position.
- b. Camera electric eye obstructed during picture-taking.
- a. Adjust control (page 6 in manual).
- b. Keep fingers and objects away from electric eye.

What Happened	Probable Cause	Correction
Daylight pictures too dark.	<ul style="list-style-type: none"> <li>a. Lighten/darken control not in proper position.</li> <li>b. Temperature too high during development.</li> <li>c. Print placed on hot surface or in direct sunlight during development.</li> <li>d. KODAK Instant Color Film, PR144-10, used.</li> </ul>	<ul style="list-style-type: none"> <li>a. Adjust control (page 6 in manual).</li> <li>b. See temperature recommendations on page 3.</li> <li>c. Never leave print on hot surface or in direct sunlight during development.</li> <li>d. Use KODAMATIC Instant Color Film, HS144-10.</li> </ul>

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Low-light pictures too dark.	<ul style="list-style-type: none"> <li>a. Subject too far from flash.</li> <li>b. Lighten/darken control not in proper position.</li> <li>c. Electronic flash not sufficiently charged.</li> </ul>	<ul style="list-style-type: none"> <li>a. Subject must be no farther than maximum flash distance (page 5 in manual).</li> <li>b. Adjust control (page 6 in manual).</li> <li>c. Wait for ready light (page 4 in manual).</li> </ul>
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d. KODAK Instant Color Film, PR144-10, used.


d. Use KODAMATIC Instant Color Film, HS144-10.


Flash pictures too light.	Lighten/darken control not in proper position.	Adjust control (page 6 in manual).
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Picture area black.	<ul style="list-style-type: none"> <li>a. Hand or object completely covering lens when picture was taken.</li> <li>b. Electronic flash didn't go off.</li> </ul>	<ul style="list-style-type: none"> <li>a. Keep hands and objects away from lens.</li> <li>b. See page 13.</li> </ul>
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What Happened	Probable Cause	Correction
Repeating pattern of spots 1½ inches apart on consecutive prints.	Dirt on rollers.	Clean rollers (page 1).
		
Subject not framed properly or partly cut off.	a. Improper use of viewfinder. b. Bellows not in fully open position.	a. View subject as described on page 5 of manual. b. Be sure to unfold bellows as described on page 3 of manual.

Glare spots from flash (may have dark center).	Picture taken directly toward shiny surface.	Take pictures at angle to shiny surfaces.
		
Fogged pictures (Cont. on page 12).	a. Improper handling of film during unwrapping or loading. b. Film pack removed and reinserted after film cover was ejected.	a. Hold film pack by edges only. Don't press on film cover. b. Avoid removing and reinserting pack. If you must remove pack, do it in subdued light. Top picture will be fogged.

What Happened	Probable Cause	Correction
	c. Film-compartment door opened in bright sunlight after film cover was ejected.	c. If you must open film compartment, do it in subdued light to avoid fogging prints remaining in film pack.
Dark shadow on longer side of picture area.	Camera bellows not in fully erect position.	Be sure to unfold bellows as described in manual.
		

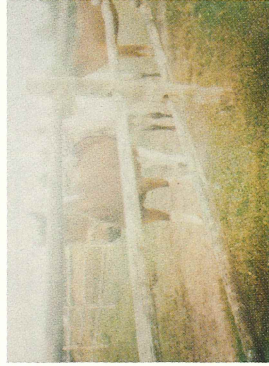
Dark shadows on shorter side(s) of picture area.	Fingers pressing on bellows when picture was taken.	Keep fingers away from bellows.
		
Electronic flash didn't go off.	a. Flash unit not sufficiently charged.	a. Wait for ready light to blink before taking picture.

**What Happened****Probable Cause****Correction**

Pictures too light and off-color.

Temperature below 60°F (16°C) during development.

Put print in warm place during development—an inside coat pocket, for example—as soon as it is ejected from camera.



Camera motor runs very slowly in ejecting print.

Batteries weak.

Replace all 4 alkaline batteries.

Fern-like formation in picture area.

Print bent or flexed during development.

Never bend or flex prints during development. Handle them by white borders.



Motor stops when print (or film cover) is partially ejected.

Batteries dead or extremely weak.

Replace all 4 alkaline batteries.

**What Happened****Probable Cause****Correction**

Motor runs but print isn't ejected.

Camera attempting to eject two prints at same time.

Immediately open film-compartment door in subdued light. Remove film pack and pull top print from pack. Reinsert pack. Top picture remaining in pack will be fogged.

Motor doesn't run.

- a. Batteries dead or extremely weak.
- b. Batteries installed incorrectly.

- a. Replace all 4 alkaline batteries.

- b. Install batteries as described on page 3 of manual.

**Kodak Consumer Centers**

Kodak Consumer Centers offer photographic information on Kodak equipment and film. Also, the centers can perform minor adjustments on Kodak amateur equipment. The centers will advise you on the nature of serious problems and the cost of repairs which may be necessary. Addresses and telephone numbers may change. For up-to-date information, consult the Yellow Pages of your telephone directory under "Photographic Equipment and Supplies."

**ALABAMA**

720 S. 37th Street  
Birmingham 35222  
(205) 322-2401

2715 Atlantic Boulevard  
Jacksonville 32207  
(904) 399-4430

**CALIFORNIA**

1017 N. Las Palmas Avenue  
Los Angeles 90038  
(213) 465-7151

925 Page Mill Road  
Palo Alto 94304  
(San Francisco area)  
(415) 493-7200

3250 Van Ness Avenue  
San Francisco 94109  
(415) 928-1300

9100 Alcosta Boulevard  
San Ramon 94583  
(San Francisco area)  
(415) 828-7000

12100 Rivera Road  
Whittier 90606  
(Los Angeles area)  
(213) 685-5610

**FLORIDA**

1001 Ponce de  
Leon Boulevard  
Coral Gables 33134  
(Miami area)  
(305) 445-0511

**GEORGIA**

5315 Peachtree Industrial  
Boulevard  
Chamblee 30341  
(Atlanta area)  
(404) 455-0123

**HAWAII**

1065 Kapiolani Boulevard  
Honolulu 96814  
(808) 531-6565  
1122 Mapunapuna Street  
Honolulu 96819  
(808) 833-1661

**ILLINOIS**

1901 West 22nd Street  
Oak Brook 60521  
(Chicago area)  
(312) 654-5542

**INDIANA**

4760 Kingsway Drive  
Indianapolis 46205  
(317) 251-3159

**KANSAS**

7301 Frontage Road,  
Interstate 35  
Shawnee Mission 66204  
(Kansas City area)  
(913) 831-4020

**LOUISIANA**

Pontchartrain Bldg.,  
Suite 100  
3939 N. Causeway Blvd.  
Metairie 70002  
(New Orleans area)  
(504) 837-3566

**MARYLAND**

7115 Ambassador Road  
Baltimore 21207  
(301) 265-5400

**MASSACHUSETTS**

480 Cochituate Road  
Framingham 01701  
(Boston area)  
(617) 875-0979

**MICHIGAN**

21600 Greenfield Road  
Oak Park 48237  
(Detroit area)  
(313) 967-1600

**MINNESOTA**

2412 Nicollet Avenue  
Minneapolis 55404  
(612) 870-3456

**MISSOURI**

1853 Craig Road  
St. Louis 63141  
(314) 434-4330

**NEBRASKA**

7262 Mercy Road  
Omaha 68124  
(402) 393-4000

**NEW JERSEY**

P.O. Box 1334, Route 130  
Dayton 08810  
(212) 879-1500 and  
(201) 329-6600

16-31 Route 208  
Fair Lawn 07410  
(201) 797-0600

**NEW YORK**

1133 Avenue of the Americas  
New York City 10036  
(212) 930-7565

800 Lee Road  
Rochester 14650  
(716) 722-0670

Photo Information Dept.  
Rochester 14650  
(716) 724-4512

**NORTH CAROLINA**

77 Executive Center  
Bldg. 5311, Suite 80  
Charlotte 28210  
(704) 525-5090

**OHIO**

14 Knollcrest Drive  
Cincinnati 45237  
(513) 948-5728

4545 West 160th Street  
Cleveland 44135  
(216) 267-0300

**OKLAHOMA**

3015 United Founders  
Boulevard  
Oklahoma City 73112  
(405) 848-7803

**OREGON**

5410 S.W. Macadam Avenue  
Portland 97201  
(503) 222-3831

**PENNSYLVANIA**

425 Maryland Drive  
Ft. Washington 19034  
(Philadelphia area)  
(215) 242-3200

2857 Banksville Road  
Pittsburgh 15216  
(412) 563-6733

**TENNESSEE**

2225 Union Avenue  
Memphis 38104  
(901) 278-5900

**TEXAS**

2800 Forest Lane  
Dallas 75234  
(214) 241-1611

610 Gray  
Houston 77002  
(713) 820-7700

5815 Callaghan Road  
Suite 112  
San Antonio 78228  
(512) 684-5934

**UTAH**

University Club Building  
Suite 100  
136 East South Temple Street  
Salt Lake City 84111  
(801) 363-5713

**VIRGINIA**

1555 Wilson Blvd.  
Arlington 22209  
(Washington, D.C. area)  
(703) 527-2000

**WASHINGTON**

9675 Sunset Highway  
Mercer Island 98040  
(Seattle area)  
(206) 232-7770

## **KODAMATIC 960 INSTANT CAMERA FULL THREE-YEAR WARRANTY**

This Kodak instant camera is warranted by Kodak to function properly for three years from the date of purchase. Kodak makes no other express warranty for this camera. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Carefully read and follow the instructions in the manual to get good results and prevent damage to your camera.

If this Kodak camera does not function properly within three years after purchase, Kodak will repair it without charge. If Kodak is unable to repair it, the option of replacement or refund of the purchase price will be available. These remedies are not available if the camera is damaged by misuse or other circumstances beyond Kodak's control, or if the improper functioning of the camera is caused by failure to follow the care and operating instructions in the manual.

**Repair, and the option of replacement or refund in the event that Kodak is unable to repair the camera, are Kodak's only obligations. Kodak will not be responsible for any consequential or incidental damages resulting from the sale or use of this camera, even if loss or damage is caused by the negligence or other fault of Kodak. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.)**

For assistance in using this camera, contact a dealer in Kodak products or one of the Kodak Consumer Centers located in the United States. For service on this camera, return the camera through a dealer in Kodak products or a Kodak Consumer Center, or directly to one of the Kodak Equipment Service Centers listed on the back cover. Enclosing a note with the camera giving details of the problem and date of purchase will help Kodak return the camera promptly.

## **KODAMATIC 970L AND 980L INSTANT CAMERAS FULL FIVE-YEAR WARRANTY**

This Kodak instant camera is warranted by Kodak to function properly for five years from the date of purchase. Kodak makes no other express warranty for this camera. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Carefully read and follow the instructions in the manual to get good results and prevent damage to your camera.

If this Kodak camera does not function properly within five years after purchase, Kodak will repair it without charge. If Kodak is unable to repair it, the option of replacement or refund of the purchase price will be available. These remedies are not available if the camera is damaged by misuse or other circumstances beyond Kodak's control, or if the improper functioning of the camera is caused by failure to follow the care and operating instructions in the manual.

**Repair, and the option of replacement or refund in the event that Kodak is unable to repair the camera, are Kodak's only obligations. Kodak will not be responsible for any consequential or incidental damages resulting from the sale or use of this camera, even if loss or damage is caused by the negligence or other fault of Kodak. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.)**

For assistance in using this camera, contact a dealer in Kodak products or one of the Kodak Consumer Centers located in the United States. For service on this camera, return the camera through a dealer in Kodak products or a Kodak Consumer Center, or directly to one of the Kodak Equipment Service Centers listed on the back cover. Enclosing a note with the camera giving details of the problem and date of purchase will help Kodak return the camera promptly.



## SERVICE CENTERS

If your Kodak camera should require service, complete facilities are provided at the following Kodak Equipment Service Centers. For fastest service, send your camera to the Service Center nearest you.

9100 Alcosta Blvd., San Ramon, California 94583  
12100 Rivera Road, Whittier, California 90606  
5315 Peachtree Industrial Blvd., Chamblee, Georgia 30341  
1122 Mapunapuna Street, Honolulu, Hawaii 96819  
1901 West 22nd Street, Oak Brook, Illinois 60521  
Route 130, P.O. Box 1334, Dayton, New Jersey 08810  
800 Lee Road, Rochester, New York 14650  
2800 Forest Lane, Dallas, Texas 75234



**Consumer/Professional & Finishing Markets**  
**Rochester, New York 14650**

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1-82-GXX

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